

Title (en)

Arrhythmia control system employing arrhythmia recognition algorithm.

Title (de)

Regelanordnung von Arrhythmien, angewendet zur Erkennung des arrhythmischen Algorithmus.

Title (fr)

Système de commande d'arythmies pour servir de reconnaissance d'algorithme d'arythmies.

Publication

**EP 0469817 A2 19920205 (EN)**

Application

**EP 91306907 A 19910729**

Priority

US 55929590 A 19900730

Abstract (en)

An arrhythmia control method and device are disclosed which monitor the cardiac state of a patient, utilize an arrhythmia recognition algorithm to detect and distinguish among bradycardia, sinus rhythm, supraventricular tachycardia and ventricular fibrillation, and deliver therapy in the form of electrical energy to cardiac tissue to revert selected arrhythmias and restore normal sinus rhythm. In its preferred form the device is an implantable combined dual chamber pacing and cardioverting device that is adapted to be electrically connected to the atrium and ventricle for sensing the atrial and ventricular waveforms and delivering shock therapy thereto as required. The arrhythmia recognition algorithm utilizes the sensed atrial and ventricular waveform data for, among other things, distinguishing between ventricular tachycardia and supraventricular tachycardia. <IMAGE>

IPC 1-7

**A61B 5/0464**; **A61N 1/362**

IPC 8 full level

**A61N 1/362** (2006.01); **A61N 1/39** (2006.01)

CPC (source: EP US)

**A61N 1/3621** (2013.01 - EP US); **A61N 1/39622** (2017.07 - EP US)

Cited by

US7228176B2; US6728572B2; EP0594273A3; EP0813888A1; EP0688578A1; EP0617980A3; US6061592A; EP0836866A3; EP0879620A3; EP0993842A1; EP0601775A3; EP0547733A3; EP0570896A3; EP1302158A3; DE4223045A1; EP0547734A3; EP0540141A1; US5327900A; US5370125A; US7031771B2; US10463866B2; US6684100B1; US10449361B2; US6304773B1; WO9321824A1; WO9416768A1; WO9416767A1; WO2004096350A1; WO9965570A1; WO9403233A1; WO2005065772A1; WO9959673A1; US6308095B1; US6959212B2; US7606620B2; US7764997B2; US7908007B2; US6266554B1; US6438410B2; EP0506230B1; WO9743002A1; WO03047690A3; US6889081B2; US7974685B2; US9669230B2; US10238882B2; US11020595B2; US6212428B1; US6275732B1; US6430435B1; US11185709B2; US7582061B2; US7353062B2; US7912545B2; US7991470B2; US8214038B2; US8506500B2; US11253715B2; US10758737B2; US10953234B2; US11701521B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0469817 A2 19920205**; **EP 0469817 A3 19930203**; **EP 0469817 B1 19970219**; DE 69124719 D1 19970327; DE 69124719 T2 19970717; US 5086772 A 19920211

DOCDB simple family (application)

**EP 91306907 A 19910729**; DE 69124719 T 19910729; US 55929590 A 19900730